

Name: _____

ET_1021 version 10

Consider the *L*-system (and angle) defined below:

- Start: A

- Rules:

$$A > B++A++A++B$$

$$B > AB[A-CC-CC-CCA]BA$$

$$C > CC$$

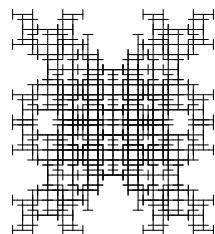
- Number of recursions (number of iterations): 5

- Angle: 90°

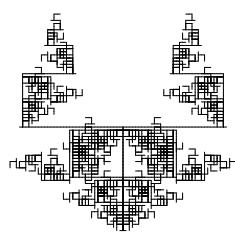
Use the following sites to generate the pattern:

- https://chadworley.github.io/Lsys_string_gen.html
- <https://scratch.mit.edu/projects/1225522722/editor/>

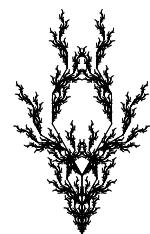
A



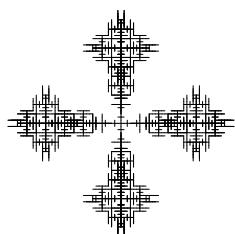
B



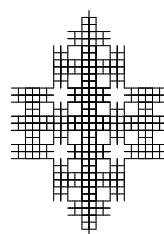
C



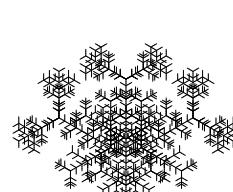
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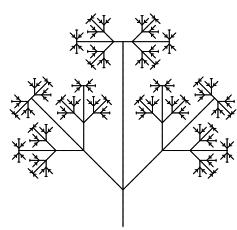
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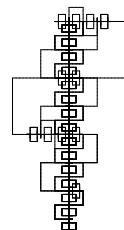
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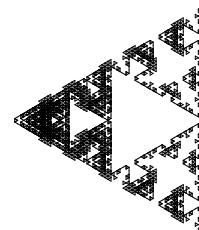
G



H



I



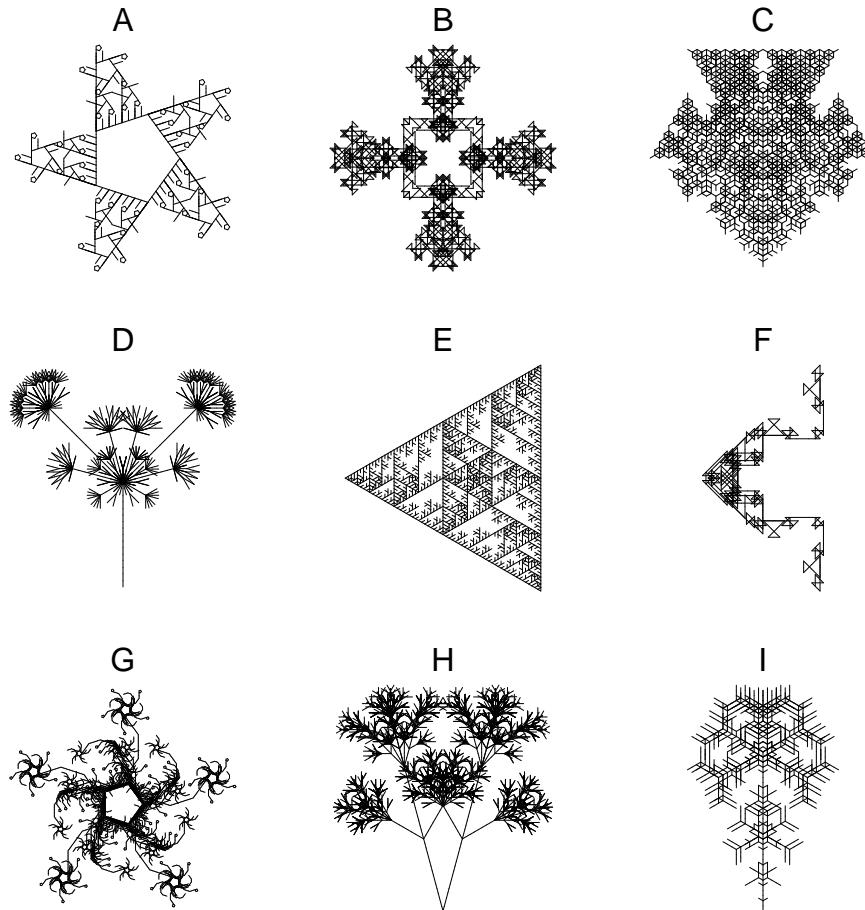
Which pattern is created?

Consider the *L*-system (and angle) defined below:

- Start: A++A++A++A
- Rules:
 - A > B-ABA-B
 - B > A+BB+A
- Number of recursions (number of iterations): 4
- Angle: 135°

Use the following sites to generate the pattern:

- https://chadworley.github.io/Lsys_string_gen.html
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?